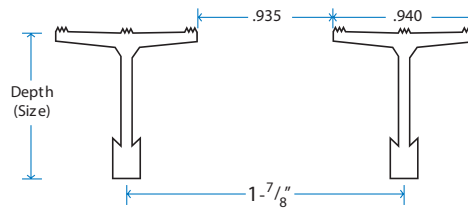


TP-940



**Material: Extruded Aluminum Alloy**

**6063-T6 per ASTM B221**

Fs = 12,000 psi

E = 10,000,000 psi

Bearing bars spaced 15/16 inches on center

# of bearing bars per foot of grating = 12.8

**Aluminum Safe Load Table**

U = Uniform load in pounds per square foot

D = Deflection in inches

C = Concentrated load at mid span in pounds per foot of width

Size	Depth	Wt./sf.	Open Area
4	1"	2.1	49.90%
6	1-1/4"	2.8	49.90%
8	1-1/2"	3	49.90%
10	2"	3.4	49.90%

Maximum span for 1/4" deflection under uniform load of 100 psf

SPAN IN INCHES		12	18	24	30	36	42	48							
1	0.940 S <sup>3</sup> /ft 0.333 I <sup>4</sup> /ft 0.192	46	U	2662	1183	666	426	296	217	166					
			D	0.031	0.070	0.125	0.195	0.281	0.382	0.498					
			C	1331	887	666	532	444	380	333					
			D	0.025	0.056	0.100	0.156	0.225	0.305	0.400	54	60			
1 1/4	0.940 S <sup>3</sup> /ft 0.550 I <sup>4</sup> /ft 0.410	55	U	4403	1957	1101	705	489	359	275	217	176			
			D	0.024	0.054	0.097	0.151	0.218	0.296	0.387	0.489	0.604			
			C	2202	1468	1101	881	734	629	550	489	440			
			D	0.019	0.044	0.077	0.121	0.174	0.237	0.309	0.392	0.483	66		
1 1/2	0.940 S <sup>3</sup> /ft 0.742 I <sup>4</sup> /ft 0.653	62	U	5939	2640	1485	950	660	485	371	293	238	196		
			D	0.020	0.046	0.082	0.128	0.184	0.251	0.327	0.414	0.513	0.618		
			C	2970	1980	1485	1188	990	848	742	660	594	540		
			D	0.016	0.037	0.066	0.102	0.147	0.201	0.262	0.332	0.409	0.495	72	78
2	0.940 S <sup>3</sup> /ft 1.178 I <sup>4</sup> /ft 1.350	75	U	9421	4187	2355	1507	1047	769	589	465	377	311	262	223
			D	0.016	0.035	0.063	0.098	0.141	0.192	0.251	0.318	0.393	0.474	0.566	0.663
			C	4710	3140	2355	1884	1570	1346	1178	1047	942	856	785	725
			D	0.013	0.028	0.050	0.078	0.113	0.154	0.201	0.254	0.314	0.380	0.452	0.531

Bars	2	3	4	5	6	7	8	9	10	11
Widths	2 13/16	4 11/16	6 9/16	8 7/16	10 5/16	12 3/16	14 1/16	15 15/16	17 13/16	19 11/16
	12	13	14	15	16	17	18	19	20	
	21 9/16	23 7/16	25 5/16	27 3/16	29 1/16	30 15/16	32 13/16	34 11/16	36 9/16	